

ABSTRACT OF THE DISCLOSURE

Aspects of the invention relate to a method for facilitating the reduction of carbon monoxide emissions during part load operation of a turbine engine by holding high combustor temperatures. The combustor section of the turbine engine includes a plurality of combustors, each combustor having a pilot nozzle, a plurality of main nozzles circumferentially surrounding the pilot nozzle, and a premix ring. According to one aspects of the invention, a first pair of combustors are selected. Fuel can be substantially restricted from being supplied to the main nozzles and the premix ring of the selected combustors, while fuel continues to be supplied to the pilot nozzles of the selected combustors. Additional combustors can be selected and the supply of fuel can be selectively restricted as described above. The process can continue until there is substantially zero net power out of the engine.